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## XRel: a path-based approach to storage and retrieval of XML documents using relational database

M Yoshikawa, T Amagasa, T Shimura, S ... - ACM Transactions on ..., 2001 - portal.acm.org

... A DTD is a schema that constrains the **structure** of XML instances and corresponds to an extended context-free grammar. ... Character **data** between start-**tags** and end-**tags** is the content of the element. ...

A start-**tag** is the token that encloses an element type with and , and an ...

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## An introduction to software architecture

D Garlan, M Shaw - Advances in software engineering and ..., 1993 - books.google.com

... 3.5. Repositories In a repository style there are two quite distinct kinds of components: a central **data structure** represents the current state, and a collection of independent components operate on the central **data** store. Interactions ...

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## XML, bioinformatics and **data** integration

F Achard, G Vaysseix, E Barillot - Bioinformatics, 2001 - Oxford Univ Press

... These **tags** generally identify different types of elements in the document, with the possibility for recursion and ... though XML was designed for the Web, its goal is to describe the **structure** of a ... For example, XML is often used as a **data** exchange language (as in GAME, see Section ...

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## Warehousing and analyzing massive RFID **data** sets

H Gonzalez, J Han, X Li, D ... - ... Conference on Data ..., 2006 - ieeexplore.ieee.org

... a **data structure**, for storing aggregated **data** in the RFID warehouse. Our design ensures that the **data** are disk-resident, summarizing the contents of a cleansed RFID database in a compact yet complete manner while allowing efficient execution of both OLAP and tag- specific ...

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## Tempest and Typhoon: User-level shared memory

SK Reinhardt, JR Larus, DA Wood - Proceedings of the 21ST ..., 1994 - portal.acm.org

... It maps virtual addresses of shared **data** to local physical memory at page granularity, but maintains coherence at ... create a shared page, the home node processor allocates per-block directory **structures** (described below ... It also initializes the block access **tags** to ReadWrite and ...

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## A fully associative software-managed cache design

EG Hallnor, SK Reinhardt - ACM SIGARCH Computer Architecture ..., 2000 - portal.acm.org

... a miss.1 Hardware can thus directly initiate a DRAM access once the **tag** lookup indicates ... on the primary CPU, using a dedicated controller tightly coupled to the cache **structure** will avoid ... We can easily pin the replacement algorithm's code and **data structures** in the **data** array ...

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## [PDF] LAM: An open cluster environment for MPI

G Burns, R Daoud, J Vaigl - Proceedings of ..., 1994 - www-lb.cams.aub.edu.lb

... Once described, instances of the **data structure** can be transmitted among heterogeneous platforms with MPI handling the **data** representation ... text identifier (the aforementioned system allocated fire-wall for independent library construction) and the message **tag** ...

Cited by 535 - Related articles - View as HTML - All 8 versions

### Exploiting local similarity for indexing paths in graph-structured data

R Kaushik, P Shenoy, P Bohannon, E Gudes - icde, 2002 - computer.org

... The A(k)-index is substantially smaller than a fully accurate **structure**, substantially faster for shorter path ... as the use of attraction.cultural **tags** for museums but just a hotels **tag** for hotels. ... The need to create a structural summary for semi- structured **data** was clearly identified in the ...

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### Efficiently publishing relational **data** as XML documents

J Shannugasundaram, E Shekita, R Barr, M Carey, B ... - The VLDB Journal, 2001 - Springer

... **data** as XML documents. Towards that goal, one of the major challenges is finding a way to efficiently **structure** and **tag data** from one or more tables as a hierarchical XML document. Different alternatives are possible depending ...

Cited by 374 - Related articles - BL Direct - All 67 versions

### XMark: A benchmark for XML **data** management

A Schmidt, F Waas, M Kersten, MJ Carey, I ... - ... on Very Large Data ..., 2002 - portal.acm.org

... This ensures that the database covers the full range of XML instance incarnations, from marked-up **data structures** to traditional ... This time, we stress the textual nature of XML documents by querying the **tag** order in the source ... Strings are the generic **data** type in XML documents ...

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